

COUPLING ASSEMBLY

Abstract of the Disclosure

One or more coupling assemblies are located at each opposite end of a first part and a second part. Each coupling assembly includes an elongated slot formed in the first part and a corresponding latch device which projects from the second part and which is releasably receivable by the slot. The latch device includes a tab and a pair of spaced-apart fingers projecting from the second part. The tab is positioned between the fingers. The fingers project generally linearly and parallel with respect to each other, and define a plane. The tab has a base, a first leg and a second leg. The base extends generally parallel to the fingers. The first leg extends away from the plane and from a first end joined to the base to a second end joined to the second leg. The second leg extends towards the plane and away from the second end of the first leg. The first and second legs form an apex which is spaced apart from the plane of the fingers. The first part forms a pair of ramp surfaces adjacent to the ends of each slot. The ramp surfaces engage the fingers to help guide the latch device into the slot. The second leg engages an edge of the slot when the latch device is being inserted into the slot, and the tab deflects towards the plane as the latch device is inserted into the slot. The fingers engage the end walls of the slot and deflect towards each as the latch device is inserted into the slot. The first leg engages an edge of the slot when the latch device is fully received by the slot, and the tab is biased to urge the latch device into the slot.

Assignment

The entire right, title and interest in and to this application and all subject matter disclosed and/or claimed therein, including any and all divisions, continuations, reissues, etc., thereof are, effective as of the date of execution of this application, assigned, transferred, sold and set over by the applicant(s) named herein to Deere & Company, a Delaware corporation having offices at Moline, Illinois 61265, U.S.A., together with all rights to file, and to claim priorities in connection with, corresponding patent applications in any and all foreign countries in the name of Deere & Company or otherwise.